

THE SCIENCE ASSOCIATION.

My sister! My sweet sister! If a name
Dearer and purer were, it should be thine.
Mountains and seas divide us, but I claim
Thee as mine, and to my arms I claim thee.
Go where I will, to use thou art the same—
A loved regret which I would not resign.
Yet are two worlds between us now—
A road to roam through, and a home with thee.

The first were nothing—had I still the last
To reach the haven of my happy home,
But other claims and other foes thou hast,
And mine is not the wish to make them less.

I can reduce all feelings but this one;
And that I would not—for at length I see
Thy essence as the centre of my being,
The earliest—even the only path for me—
Had I but sooner learnt the road to alms,
I had been better than I now can be;

Nathan James Clifford, esq., late Clerk of the United States Circuit Court, Massachusetts District, and son of the Hon. Nathan Clifford, Associate Justice of the Supreme Court of the United States, died at August 10, on the 16th inst. Mr. Clifford formerly resided in this city, and was well known in the legal profession.

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RAILROAD TIME TO CHICAGO.

THE COMPETITION—REDUCTION OF THIRTEEN

the apparent velocity of the electric current was directly proportional to the magnetic force of the current. This was shown to be the fact by the use of different lengths. He also stated that the real velocity of the wave had never been measured, but the velocity observed was due to the fact that the wire was not a continuous line, but that when the wire was opened at alternate ends. He also spoke of his obligations to the W. C. Telegraph Co. and especially Mr. J. C. Smith, of the Albany office, for the use of the necessary wires.

An Improved Method of Observing Meteoric Showers.—Prof. F. J. M. Smith, of the Albany office, for the use of the necessary wires.

Mr. Smith would prolong the cylinder of the chronograph now used, and attach a key for each of the four quarters of the heavens, that four operators might note the time of the appearance of the meteor, and the time when it might indicate the duration of visibility, so that observations made in different sections might be compared and the results of the observations might be made to show that meteors came from an abnormal point.

Planetary Influence on Rainfall and Temperature.—By Mr. J. C. Smith, of the Albany office, for the use of the necessary wires.

prof. Dr. Waterhouse Hawkins of New York was in-
vited to study the bones of the Negroes on visual education.
Through the organ of vision, he said, we tend in a larger
number of impressions with the least possible association
of ideas. The Negroes were not a people of ideas. The
valuable qualities of the eyes were in close association
with the rights of women and his idea of the rights of
women was not a thing of ideas. He said that he had
in mind a reference to children who so constantly sat
at their mother's knees and asked questions almost in-
valuable about the nature of that which they saw. He
said that he had in mind a reference to the question
"Mamma, what is that creature?" or "Mamma, what is
the good of this?" were too often evaded in consequence
of the fact that the mother was not a person of ideas.
The power of observation. The powers of observa-
tion, he thought, should be more highly educated than
those of the mind. He said that he had in mind a refer-
ence to the fact that the Negroes had failed in producing the results expected. He ad-
vised the establishment of museums in connection with

Planetary Influence on Rainfall and Temperature. By Mr. Pliny E. Chase of Philadelphia. Mr. Chase has found

THE FREIGHT TRAFFIC.

During the heated term, when it is seldom that the newspapers have to record anything but general dullness, not to say stagnation, in nearly all branches of business, it is cheering to find that the iron business at least is not suffering from the same ailment. The statements made by the General Freight Agents of the New York Central, the Hudson, and the Erie Railways, it appears that the freight business at present is so heavy that it is almost impossible to handle it. This pressure is due mainly to the low tariff, which, it is said, will be abolished to-morrow, although there is a probability that it will be postponed until the 1st of October. On Sept. 1, the prices charged by the Pennsylvania Railroad are: 1st, 2d, 3d, and 4th classes to Chicago, 50 cents per ton; to St. Louis, 45 cents; to Cincinnati, 40 cents per cent. The prices bulletined at the Erie and New-York Central depots are alike, and as follows: All classes of freight, 25 cents per ton; all classes of lumber, 20 cents per ton. To give an idea of the freight business, it may be interesting to note the transactions of the various railways, as far as they can be obtained. The Erie Railway sent out 1,000 cars of freight, 100 of which were loaded with iron ore, on Wednesday, and the Superintendent of the road has advised that there are now upon the trestle at side tracks between Port Jervis and Jersey City, about 200 cars filled with Eastward bound goods, which he is unable to bring to Jersey City, and is therefore unable to dispose of Company at this end of the line are cleared of Western bound dry goods and general merchandise. The Hudson River Railway is averaging 225 cars of Western goods daily, about 150 of which are loaded with iron ore. The St. Louis number of cars loaded upon Wednesday was 274. The Erie, Madison & Co. and A. T. Stewart & Co., have been obliged to employ a large number of men to do the extra work for the last ten days, both day and night, owing to heavy orders for goods from the West.

curved spots. These are the figures of Liebenberg, the great interest, and have been the subjects of elaborate investigations. In 1862, Prof. Rod of Columbia College, New York, made the following discovery: "By allowing the spark to fall on a sensitized film of collodion and developing in the ordinary way like a photograph, the figures of Liebenberg are reproduced by the method by which similar figures are produced. If a coat of pitch be spread by heat over one side of a piece of sheet metal, and the other side be exposed to the action of cold and hard, an electric spark be allowed to fall, no visible effect will be produced. On holding the plate (metal side down) over a lamp for an instant, the pitch becomes softened and beautiful figures suddenly appear on its surface, as if impressed there by an engraved seal. The figures are so distinct that they can be seen by the audience, and excited general admiration for their sharpness and beauty. The figures are, for pos. electricity, a series of parallel lines, and for neg. electricity, a series of parallel ridges. The lecturer explained that owing to the well known oscillatory nature of the discharge the figures consisted generally of five, six, or seven parallel ridges or lines. The figures superposed on the general aspect of the figure being determined by the kind of electricity used. The pitch being soft, by heat, when the sparks strike, that the figure is at once produced, and no 'development' is necessary. The figures are so distinct that the original experiment were described and illustrated by specimens of the figures produced. At the close of the lecture, the lecturer presented to the audience a specimen of the paper, and made some remarks on his own early discovery of the oscillatory nature of the discharge of electricity."

"A Formula for computing the time of Axial Rotation of any Primary Plant, its density and the relative force of its electrical action, has been discovered by Prof. Wm. Traut Wadner of Lanesville, Conn. by Prof Wm. A. Rogers. Prof. Rogers stated that Mr. Wadner was a pian player, farmer, and a student of the Bible."

Spuler of New York as temporary chairman. Mr. Spuler, by request, addressed the members on the subject of the Migrations. By Prof. Morgan he noted the progress of civilization, so-called, upon this continent. He regarded them, generally speaking, as of local growth, and dis-
cussed the question of the Migrations of the Indians. The paper of Prof. Morgan of New York on "Indian Migrations" was concluded and discussed. The titles of the papers were as follows:

Discovery of the Remains of the Horse, among the Ancient Ruins of Central America, by Prof. Morgan.
The Discovery of the Remains of the Human Remains, accompanying the remains of the fossil horse, seems to establish the fact that the horse was introduced into the Americas from the Old World, and the section previous to the arrival of the Spaniards and the European horse. A number of fossil remains from that section were exhibited by Mr. McNeal.

Physical Geography of the United States, of North America. By Prof. N. A. Mearns. On the